

Business Contracting Analysis

Analyzing the Disparity between Government Contracts and Awards

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Problem Statement

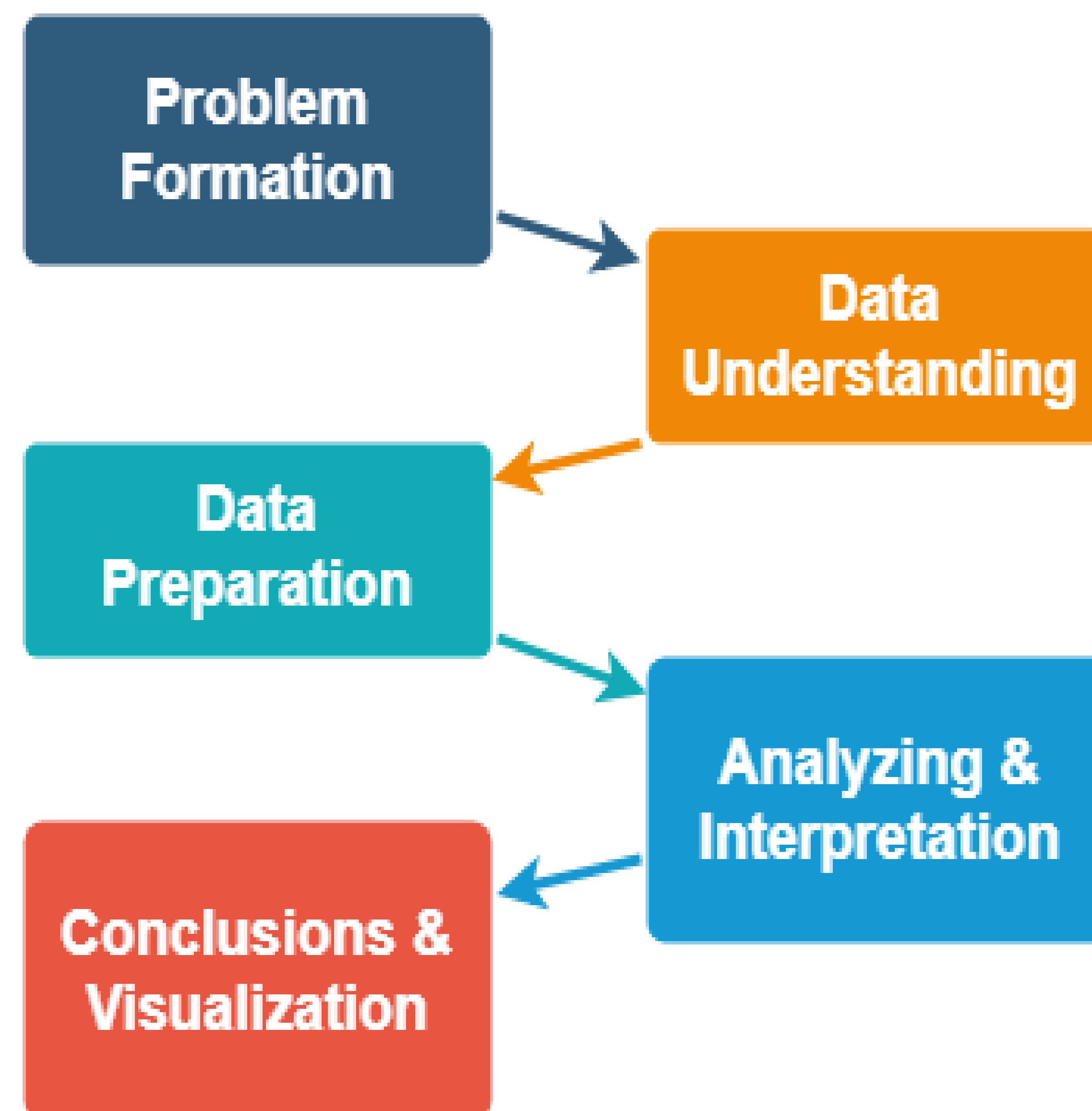
To analyze the data gathered from Massachusetts Central Register to gather insights and inform conclusions to support an investigation for the disparity in the data

Data

Two datasets-

1. A list of Government contracts called RFPs
 - Agency Name
 - Project Description
 - Project Number
 - Estimated Cost
2. A list of awards given to respective RFPs
 - Project Number
 - Awarded To (Contractor)
 - Contract Amount

Approach

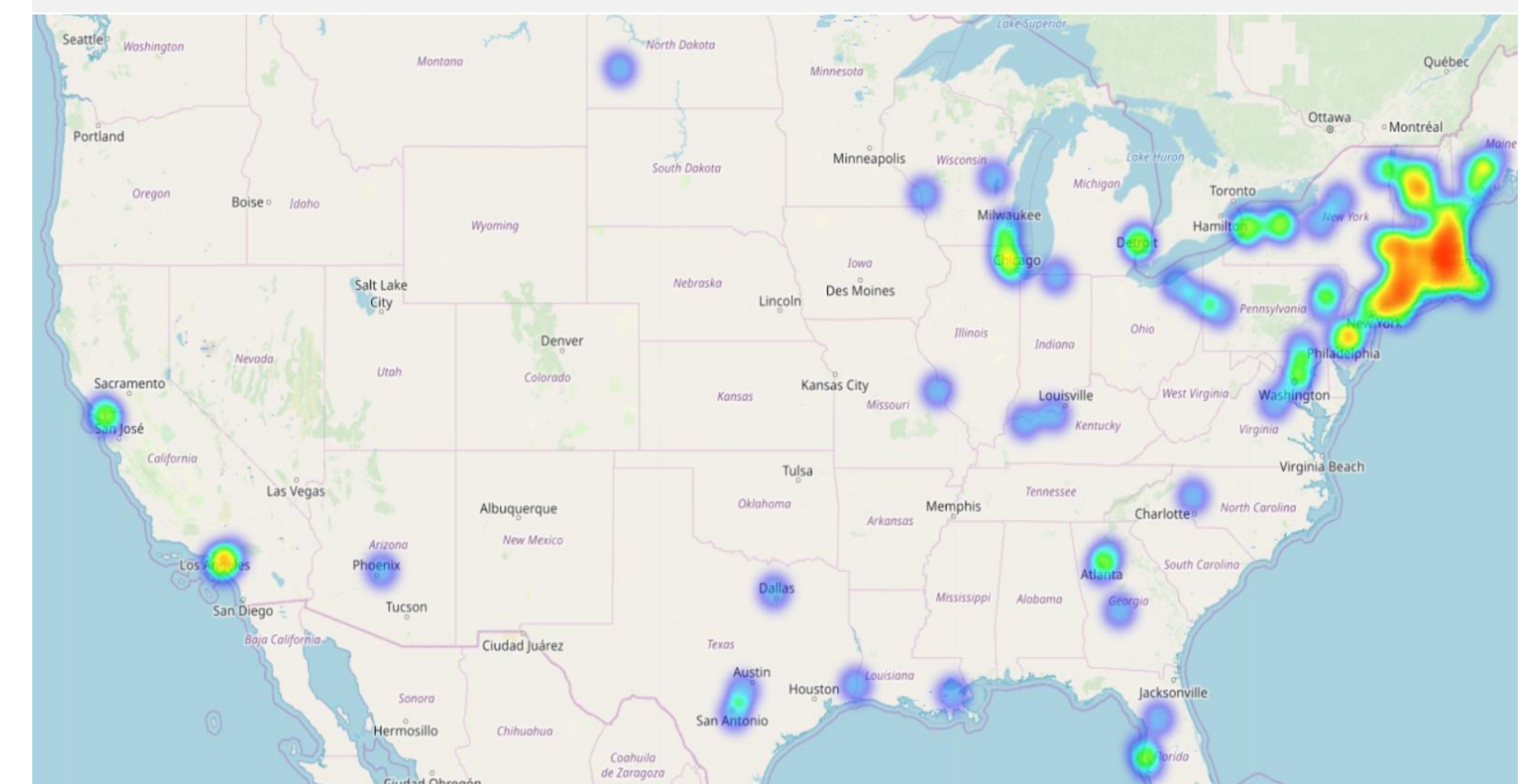


Future Work

Provide real time analysis as and when the government database updates its content on awards and provide notifications on missing awards so that they can be dealt with immediately.

Conclusions

- Total number of RFPs after data pre-processing = 19,758
- Total number of RFPs we matched with awards = 5613
- Total estimated cost of all the RFPs in our dataset = \$41.91 Billion
- Total contract amount of all the awards in our dataset = \$10.73 Billion
- Total unaccounted “estimated cost” of RFPs = \$23.26 Billion



Heatmap highlighting the distribution of awards to contractors across the country

